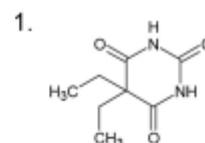
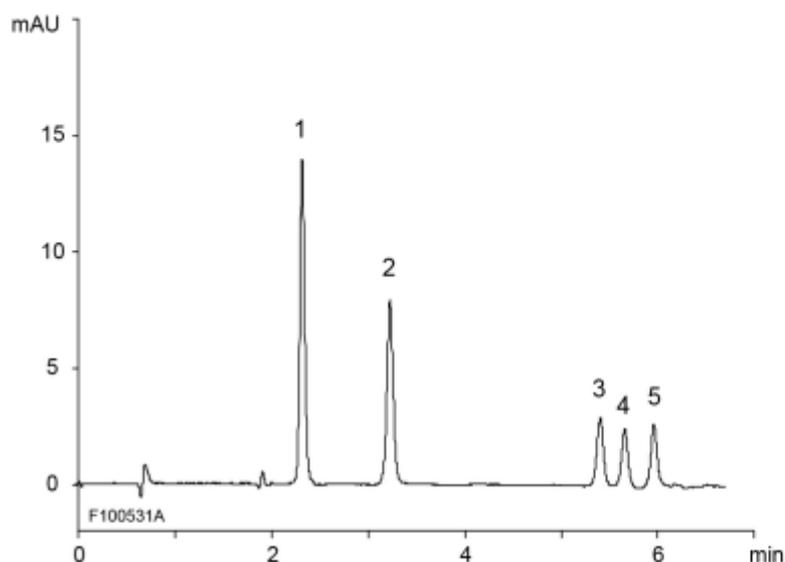
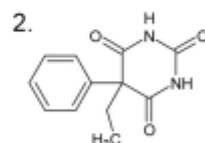


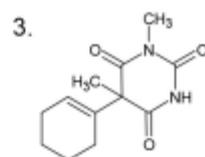
(A) Standard (10 µg/mL)



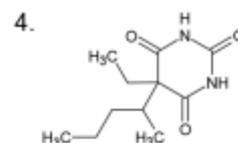
Barbital



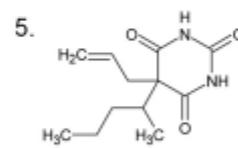
Phenobarbital



Hexobarbital

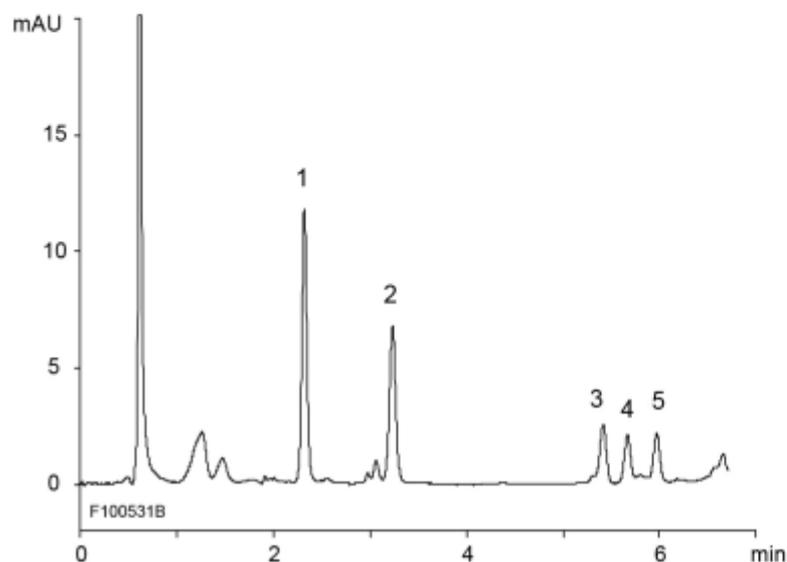


Pentobarbital



Secobarbital

(B) Spiked human serum

**Solid-phase extraction method**

YMC Dispo SPE C18 100 mg/1 mL

Condition2 mL methanol
2 mL water**Load**500 µL spiked human serum solution
(each 10 µg)**Elute**

500 µL methanol/water (85/15)

Dilute

500 µL 20mM ammonium formate buffer (pH 9.5)

Column	: YMC-Triart C18 (5 µm, 12 nm) 50 X 2.0 mmI.D.
Eluent	: A) 20 mM HCOONH ₄ -NH ₃ (pH 9.5) B) methanol 0-90%B (0-7 min)
Flow rate	: 0.2 mL/min
Temperature	: 25°C
Detection	: UV at 240 nm
Injection	: 1 µL